

ABSTRACT OF THE DISCLOSURE:

Disclosed is an electric rotating machine comprising a rotor having N and S poles, a stator including an annular stator core and slots, and multiple-phase stator windings embedded in the slots; wherein the stator windings are formed by winding continuous wires such that straight parts of the stator windings pressed in a flat shape are wound in rings around a cylindrical member provided with grooves. The cylindrical member is inserted into a bore defined by the annular stator core so that the grooves of the cylindrical member are arranged opposite to the slots. The sets of the windings are folded back alternately outside the slots of the stator core and are wound such that the sets of the windings are embedded alternately in the direction of the depth of the slots. Leading and trailing ends of the continuous wires are superposed after being wound at least one turn around the circumferentially arranged slots of the stator.